BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Main Road and Cross Roads at Devappa Layout in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

									Estimate Cost Rs.	1500000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152/ Item No. 19.1/ PWD SR 2013-14**	Cum							
	Desiltation of Road Side drains								
	1st Cross		2	100.00	0.45	0.35	31.50		
	2nd Cross		2	110.00	0.45	0.35	34.65		
	3rd Cross		2	132.00	0.45	0.35	41.58		
	Unikrishnan Road		2	45.00	0.45	0.35	14.18		
							121.91	65.88	**8031.00**
	Basic Rate	61.00							
	Area Weightage @ 8%	4.88							
	Total	**65.88**							
2	KSRB 2-1.1: Earth work in surface excavation in **ordinary soil** for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1, **No. 5 / Item No. 2.1 / PWD SR 2013-14**	Cum							
	Removal Over Burden Earth		1	100.00	5.00	0.20	100.00		
			1	110.00	5.00	0.20	110.00		
			1	132.00	4.00	0.20	105.60		
			1	45.00	4.00	0.20	36.00		
							351.60	126.36	**44428.00**
	Basic Rate	117.00							
	Area Weightage @8%	9.36							
	Total	**126.36**							
2	Removing B.S Slab of Drain and stacking **Page No. 28 / Item No. 5.32/ PWD SR 2013-14**	Sqm							
			2	25.00		1.35	67.50		
			2	30.00		1.35	81.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	35.00		1.35	94.50		
			2	20.00		1.35	54.00		
							297.00	50.11	**14883.00**
	Basic Rate	46.40							
	Area Weightage @ 8%	3.71							
	Total	**50.11**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 28 / Item No. 5.33/ PWD SR 2013-14**	Sqm							
			Qty Vide Item No. 2				**297.00**	70.04	**20801.00**
	Basic Rate	64.85							
	Area Weightage @ 8%	5.19							
	Total	**70.04**							
4	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P.170 / I.20.18) PWD SR - 2013-14.**	Cum							
	UGD Cutting Portion		1	100.00	1.00	0.20	20.00		
			1	110.00	1.00	0.20	22.00		
			1	132.00	1.00	0.20	26.40		
			1	45.00	1.00	0.20	9.00		
	Road Surface		1	100.00	5.00	0.20	100.00		
			1	110.00	5.00	0.20	110.00		
			1	132.00	4.00	0.20	105.60		
			1	45.00	4.00	0.20	36.00		
							429.00	1121.04	**480926.00**
	Basic Rate	1038.00							
	Area Weightage @ 8%	83.04							
	Total	**1121.04**							
5	KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P.175 / I.21.1) PWDSR 2013-14**	Sqm							
			1	100.00	5.00		500.00		
			1	110.00	5.00		550.00		
			1	132.00	4.00		528.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	45.00	4.00		180.00		
							1758.00	10.53	**18512.00**
	Basic Rate	9.75							
	Area Weightage @ 8%	0.78							
	Total	**10.53**							
6	KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 175/ Item No. 21.6/ PWD SR 20013-14**	Sqm							
			Qty Vide Item No. 5				1758.00		
							1758.00	44.28	**77844.00**
	Basic Rate	41.00							
	Area Weightage @ 8%	3.28							
	Total	**44.28**							
7	KSRRB M500-19: providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification NO. 509, **With bitumen 80/100, No. 179 / Item No. 21.22.1/ PWD SR 2013-14**	Cum							
			1	100.00	5.00	0.040	20.00		
			1	110.00	5.00	0.040	22.00		
			1	132.00	4.00	0.040	21.12		
			1	45.00	4.00	0.040	7.20		
							70.32	11284.92	**793556.00**
	Basic Rate	10449.00							
	Area Weightage @ 8%	835.92							
	Total	**11284.92**							
8	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
				Vide Item No. 1			507.75	72.71	36916.00
	Average weight of earth 1.28 tonne / kg for 28X2.00=5.12	5.12					387.75		28193-0
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
	1+ TPI charges								15000
10	Miscesallaneous Charges	L/S						3301	1671.00
								Total	1500000.00

(Rupees Fifteen Lakhs Only)

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2013-14.
3 This work included under POW Grants 2013-14.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

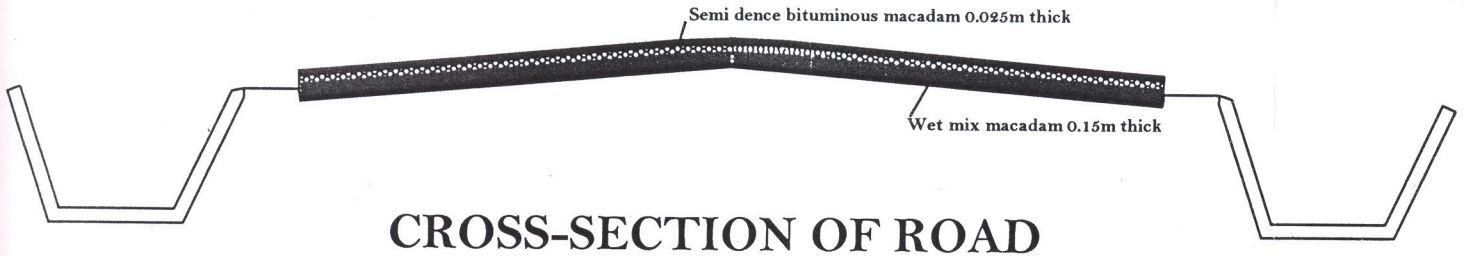
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs 15-00 Lakhs
Rupees Fifteen lakhs only
Under
Registered as EE ( ) No 3 ...9....
Subject to conditions contained in
enclosed memo EE ( ) No JC(Yel)/418/13-14
dt 30/10/13 Estimate A/S sanctioned
for Rs
dated 15.00 Lakhs

Technical Sanction for Rs 15-00 Lakhs
Fifteen lakhs only
P-1771
EE No: 204/13-14
EE No 204/13-14 29/10/13
AEE

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru

30/10/13



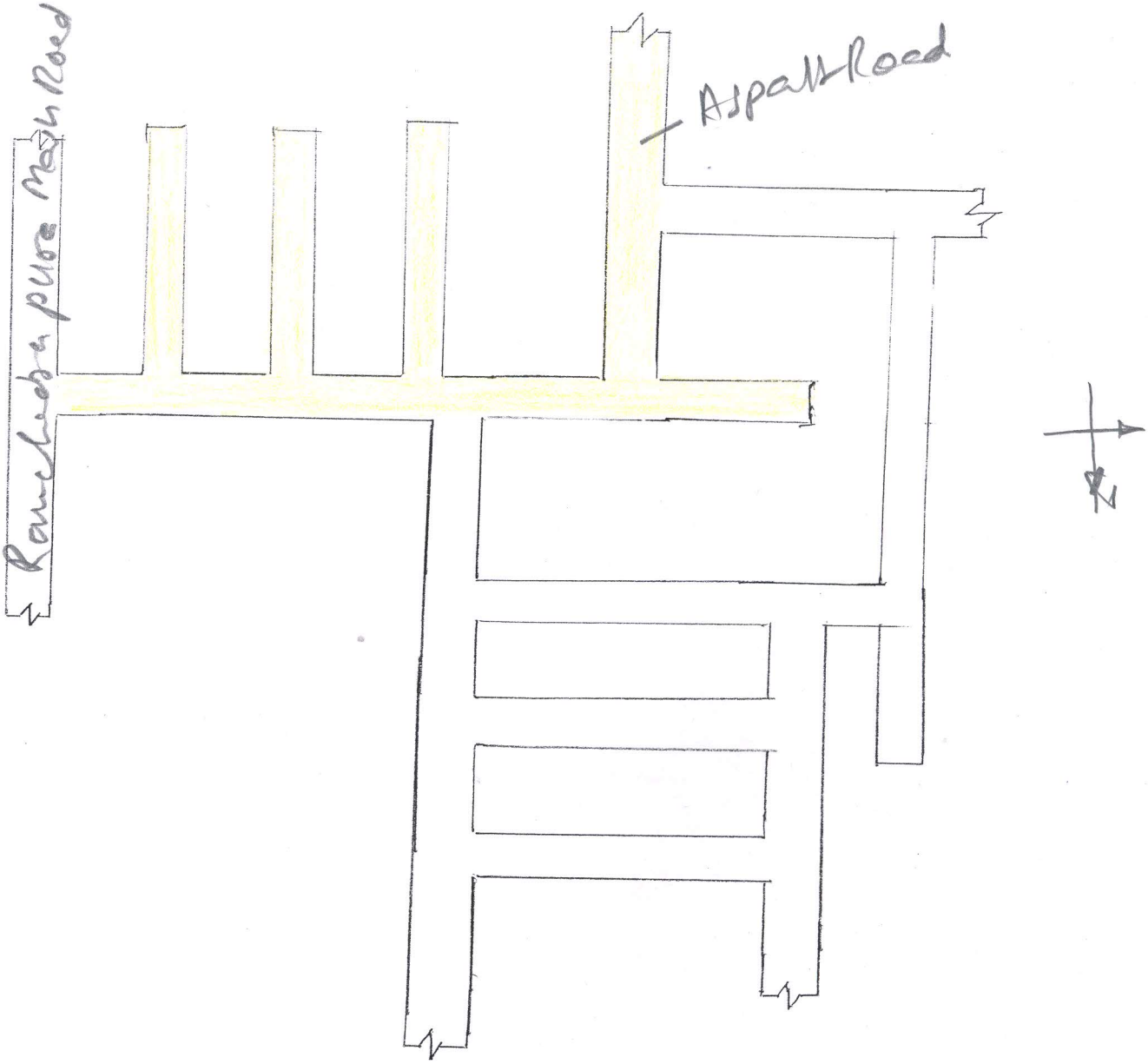
CROSS-SECTION OF ROAD

INDEX

- Wet mix macadam
- Semi dence bituminous concret

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
VIDYARANYAPURA SUB DIVISION.



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯುದೀಕರಣ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ಘಟಕ,
ಬೆ.ಜೆ.ಮ.ಕಾ., ಬೆಂಗಳೂರು-97.